CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ

ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.15/KRIDL/CUBE/2014-15

20.08.2014

TEST REPORT ON CONCRETE CUBES

Client	: **Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
Agency	: **Technical Manager (West),** KRIDL, Bangalore.
Name of the work	: Construction and improvements of RCC roads and drains at road adjacent to Ramachandra Hospital 4th Main, 1st Cross road in Ward No. 15, Dasarahalli, BBMP, Bangalore.
Reference	: EE/DD/WO/121/2014-15 Dated: 03.07.2014
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.07.2014	20.08.2014	8.129	478.6	21.27
2	23.07.2014	20.08.2014	8.265	512.3	22.77
3	23.07.2014	20.08.2014	8.385	528.6	23.49

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

M/s. Civil-Tech Consultants & Engineers

23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

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Job No.: CTCE/BBMP/WNo.15/KRIDL/Precast Slab/2014-15

28.07.2014

TEST REPORT ON CONCRETE CORE (PRECAST SLAB)

Name of Client	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
Name of Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
Name of work	:	Construction and improvements of RCC roads and drains at road adjacent to Ramachandra Hospital 4th Main, 1st Cross road in Ward No. 15, Dasarahalli, BBMP, Bangalore.
Reference	:	EE/DD/WO/121/2014-15 Dated: 03.07.2014
No.of Sample Tested	:	03
Date of Testing	:	28.07.2014
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	79.00	0.390	2514.25	1.58	0.955	32.3	16.45	17.77	16.97	21.21
2	50.00	80.00	0.399	2540.11	1.60	0.964	33.5	17.06	18.43	17.76	22.20
3	50.00	81.00	0.410	2577.92	1.62	0.960	33.6	17.11	18.48	17.74	22.18

Civil-Tech Consultants & Engineers Bangalore

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Bangalore-560079.